



## WORKSHOP (W 1.17)

### **“CYBER-PHYSICAL SYSTEMS (CPS) ROADMAPPING WORKSHOP”**

Madeira Island, Portugal

[www.ice-conference.org](http://www.ice-conference.org)

The Platforms4CPS consortium is pleased to welcome you at this workshop, which is set to discuss **visions and priorities** of recently produced roadmaps in the area of Cyber-Physical Systems (CPS), draw **recommendations for future research and innovation activities** and **elaborate strategies** for their implementation. The **interactive workshop** will focus on relevant technology fields and related research priorities to fuel the development of trustworthy CPS, as well as **needs and barriers** for a successful implementation in different **application domains** (manufacturing, transport, energy, health and smart cities). The workshop will gather **CPS-experts** from industry, academia and policy-making, which will elaborate on specific CPS-themes and discuss platform concepts and success stories in relation to industrial demand and customer needs. The workshop will count on the knowledge and experience of experts in CPS and related technologies and applications.

The objective of the workshop is to stimulate:

- Discussion on research priorities in Cyber-Physical Systems: Which developments are needed?
- Discussions on platform concepts: How should Europe invest in platforms?
- Alignment of the work of different initiatives to ensure coherence of results.
- Matching supply and demand: Are current solutions fulfilling the needs of customers/users? What is the way forward to promote the right innovation ecosystems?
- Constituency building: become part of one of the communities that will define the future of CPS!

## ABOUT PLATFORMS4CPS

The Platforms4CPS project is a 24-month coordination and support action, co-funded under the European Union's H2020 Research and Innovation Programme in the area of Smart Cyber-Physical Systems. Taking up the results of its precursor Road2CPS, the project aims to carry out strategic action for future CPS through roadmaps, support of platform development and constituency building. Platforms4CPS is coordinated by Thales and supported by six other partners (Steinbeis 2i, THHINK, Festo, KTH, fortiss and Systematic) from 4 European countries (France, Germany, UK and Sweden).

Cyber-Physical Systems are seen as essential for the future. As the embedded world meets the Internet world there will be an increasing number of interacting systems with strong connectivity utilised in both society and in industry. Platforms4CPS targets the transport, manufacturing, energy and health sectors. Europe is a world leader in the area of time-critical and safety-critical systems and to maintain this position there is a need to be able to design,

Organizing Committee:



develop and deploy highly distributed and connected digital technologies. Platforms4CPS thus aims to “create the vision, strategy, technology building blocks and supporting ecosystem for future CPS applications” with three key objectives to:

- Create a vision and strategy for future European CPS by analysing the ecosystem and market perspective and strategically updating and validating existing CPS roadmaps across multiple domains
- Promote platform building, bringing together industry and academic experts and create a repository of CPS technology building blocks
- Build an ecosystem by creating a constituency and through cooperating with ECSEL, ITEA, and ARTEMIS projects on the foundations of CPS engineering, and consensus building on societal and legal issues related to the deployment of CPS.

### Target Attendees

- Academia, Industry

### Chair:

- Meike Reimann ([reimann@steinbeis-europa.de](mailto:reimann@steinbeis-europa.de)), Steinbeis 2i GmbH (Germany)

Organizing Committee:

